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Division of Mycology and Disease Survey

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Supplement 122

A BRIEF HOST INDEX OF SOME PLANT PATHOGENS AND VIRUS DISEASES IN EASTERN ASIA

May 1, 1940

The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

A BRIEF HOST INDEX OF SOME PLANT PATHOGENS AND VIRUS DISEASES IN EASTERN ASIA

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Plant Disease Reporter
Supplement 122 May 1, 1940.

The following index has been compiled on the basis of records which may be traced in Merrill and Walker's "A Bibliography of Eastern Asiatic Botany," Arnold Arboretum of Harvard University, Jamaica Plain, Massachusetts, 1938. It is hoped that it will serve as a supplement to the more comprehensive host indexes already published for the region. The latter have been enumerated in this list under the heading "Plants," with the secondary notation "(Host index)."

HOST INDEX

ALGAE

AEGAGROPILA sauteri (Nees) Kützing
Pythium akanense Tokunaga: Tokunaga, Y., 1932.

MARINE ALGAE
Nadsoniomyces sphenoideus Kudriavtsev: Kudriavtsev, V.I., 1932.

FUNGI

ELAPHOMYCES
Cordyceps: Imai, Sanshi, 1929.

ELAPHOMYCES subvariegatus Imai
Cordyceps intermedia Imai: Imai, Sanshi, 1934a.

OIDIUM asteriicola Hino & Katô
Cicinnobolus asteris Hino & Katô: Hino, Iwao, and Katô, Huzio, 1929.

OIDIUM euonymi-japonici (Arcang.) Sacc.
Cicinnobolus euonymi-japonici Arcang.: Hino, Iwao, and Katô, Huzio, 1929.

LICHENES

LICHENES
Chlorocyphella aeruginascens (Karst.) Keissler: Keissler, K. von, 1933.
Leciographa inspersa Rehm: Keissler, K. von, 1933.
Parasites: Keissler, K. von, 1927.
Phoma lichenis Pass.: Keissler, K. von, 1933.
Tichothecium pygmaeum Körb. var. ecatonsporum (Anzi) Wint.: Keissler, K. von, 1933.

MUSCI

POLYTRICHUM gracile Dicks.
Stagonospora komarovii Ohl: Ohl, I. A., 1922.

FILICALES

FILICALES
Diseases: Bubák, G., 1916.
Hyalopsora polypodii (Dict.) P. Magn.: Hiratsuka, Naohide, and Uemura, Yakuta, 1932b.
Milesina: Kamei, S., 1932b.
Uredinopsis: Kamei, S., 1932b.
Uredinopsis adianti Kom.: Magnus, P., 1901b.

POLYPODIUM vulgare L.
Milesina jezoensis Kamei & Hirats. f.: Kamei, S., 1931.

POLYSTICHUM
Milesina exigua Faull: Hiratsuka, Naohide, and Yoshida, Yasuo, 1932.
Milesina vogesiaca P. & H. Syd.: Hiratsuka, Naohide, and Yoshida, Yasuo, 1932.
Witches'-broom: Kodama, S., 1911b.

POLYSTICHUM aristatum Swartz
Taphrina cornu-cervi Giesenh.: Kodama, S., 1911b.

POLYSTICHUM braunii Lawson
Milesina vogesiaca P. & H. Syd.: Kamei, S., 1930b.

CONIFERAE

ABIES
Arceuthobium chinense Lecomte: Turrill, W. B., 1920c.

ABIES firma Sieb. & Zucc.
Milesina vogesiaca P. & H. Syd.: Kamei, S., 1930b.

ABIES mayriana Miyabe & Kudô
Milesina vogesiaca P. & H. Syd.: Kamei, S., 1930b.

ABIES sachalinensis Mast.
Milesina vogesiaca P. & H. Syd.: Kamei, S., 1930b.

ABIES sibirica Ledeb.
Calyptospora goeppertiana Kühn: Kravtzev, B. I., 1933.
Diseases: Kravtzev, B. I., 1933.
Fomes robustus Karst.: Kravtzev, B. I., 1933.
Trametes carnea Nees: Kravtzev, B. I., 1933.

CHAMAECYPARIS formosensis Matsum.
Stereum sulcatum Burt: Yamamoto, Wataro, and Itô, Takeo, 1932-33.

CHAMAECYPARIS obtusa Sieb. & Zucc. f. formosana Hayata
Hymenochaete: Yamamoto, Watarô, and Itô, Takeo, 1936.

CONIFERAE
Hypodermataceae: Darker, G. D., 1932.
Phomopsis cryptomeriae Kitashima & Kamei: Hahn, G. G., 1930.
Witches'-brooms: Kusano, S., 1904f.
Wood-destroying Fungi: Hemmi, T., 1932c.

CRYPTOMERIA japonica D. Don
Cercospora: Kawamura, Seiichi, 1915a.
Cercospora cryptomeriae Shirai: Kitashima, Kimizô, 1916.
Disease: Miyake, Ichirô, 1935.
Fomes ulmarius Fr.: Hemmi, T., Hirayama, S., and Nojima, T., 1929.
Phyllosticta: Kawamura, Seiichi, 1915a.
Valsa cryptomeriae Kitashima: Kitashima, Kimizo, 1933b.

GINKGO
Diseases: Wang, Schauder, 1933.

JUNIPERUS
Gymnosporangium: Soh You-kuh, [Date?], Chinese append.

JUNIPERUS chinensis L.
Gymnosporangium chinense Long: Long, W. H., 1914.
Gymnosporangium haracanum Syd.: Long, W. H., 1914.
Gymnosporangium japonicum Syd.: Long, W. H., 1914.
Gymnosporangium yamadae Miyabe: Tai, Fang-lan, 1930b.

JUNIPERUS rigida Sieb. & Zucc.
Gymnosporangium asiaticum Miyabe: Ideta, A., 1904a.

LARIX
Melampsora: Hiratsuka, Naohide, 1927c.
Polyporus officinalis Fr.: Murashkinski, K. E., 1927.

PINUS
Ceratostomella ips Rumb.: Nishikado, Y., and Yamauti, K., 1933-35.
Ceratostomella piceae Münch: Nishikado, Y., and Yamauti, K., 1933-35, 1935.
Ceratostomella pini Münch: Nishikado, Y., and Yamauti, K., 1933-35.
Collybia conigena (P.) Bres.: Kawamura, Seiichi, 1928c.
Disease: Shirai, M., 1899b.
Hypoderma brachysporum v. Tub.: Itô, Takeo, 1936.
Lophodermium pinastri (Schrad. ex Fr.) Chev.: Itô, Takeo, 1936.
Polyporus orientalis Lloyd: Hemmi, T., and Nojima, T., 1928.
Trametes pini (Thore) Fr.: Liubarskiĭ, L. V., 1936b.

PINUS pumila Regel
Hypodermella hiratsukae Darker: Darker, G. D., 1935.

PODOCARPUS thunbergii Sieb.
Corynelia: Winter, G., 1884.

THUJOPSIS dolobrata Sieb. & Zucc.
Witches'-broom: Tubeuf, K. von, 1895.
Fomes robustus Karst.: Kitashima, Kimizo, 1931.

TSUGA sieboldii Carr.
Enteridium yabeanum Emoto: Emoto, Y., 1932a.

PHANEROGAMAE

ACACIA confusa Merr.
Uromyces hyalosporus Sawada: Hirane, Seiichi, 1934.
Sawada, Kaneyoshi, 1913a.

ACER
Taphrina nikkoensis Kusano: Kusano, S., 1907a.

ACER trifidum Hook. & Arn.
Uncinula nankinensis Tai: Tai, Fang-lan, 1930a.

AGAPANTHUS
Phytophthora parasitica Dastur: Takimoto, S., 1934f.

AGROPYRON
Rust: Asuyama, H., 1935.

ALLIUM (Onion)
Fusarium cepae Hanzawa: Hanzawa, Jun, 1914.
Puccinia allii Rud.: Sawada, Kaneyoshi, 1928b.
Puccinia porri (Sowerb.) Wint.: Sawada, Kaneyoshi, 1929.

ALLIUM (Welsh Onion)
Peronospora schleideniana de By.: Hori, Shôtarô, 1893.

ALLIUM bakeri Regel
Helotium: Asuyama, H., Nagai, Yukio, and Nishikiori, T., 1935.

ALLIUM fistulosum L.
Macrosporium porri Ell: Yoshii, Hazime, 1929b.
Puccinia allii Rud.: Gotô, Kazuo, 1933-35.
Puccinia porri (Sowerb.) Wint.: Gotô, Kazuo, 1933-35.

ALNUS
Melampsoridium: Hiratsuka, Naohide, 1926c.
Taphrina: Kusano, S., 1904b.

AMORPHOPHALLUS rivieri Dur. var. konjac (C. Koch) Bess.
Bacillus aroideae Townsend: Takimoto, S., 1927a.
Fusarium solani (Mart.) App. & Wr.: Kasai, M., 1924a.
Soft rot: Hirata, E., 1927.

ANCHUSA
Rust: Transhel, V., 1934.

ANTIRRHINUM majus L.
Bacteria: Takimoto, S., 1920.
Pythium spinosum Sawada: Sawada, Kaneyoshi, and Chên, Ch'i-ch'ang, 1926.

APPLE [see Malus (Apple)]

ARACHIS hypogaea L. (Peanut)
Botrytis: Suematu, Naogi, 1924.
Sclerotinia: Hanzawa, Jun, 1911a.
Sclerotinia arachidis Hanzawa: Chu, Vong-may, 1933b.
Sclerotinia miyabeana Hanzawa: Chu, Vong-may, 1933b.

ARCTIUM lappa L.
Bacillus nigromaculans Takimoto: Takimoto, S., 1927g.

ARUNDINARIA simoni Riv.
Coccoidella arundinariae Hara: Hara, Kanesuke, 1911b.

ASTER scaber Thunb.
Coleosporium pini-asteris Orishimo: Orishimo, Y., 1910.

ASTER tataricus L.f. (Tater Aster)
Oidium astericola Hino & Katô: Hino, Iwao, and Katô, Huzio, 1929.

ASTILBE chinensis Franch. & Sav.
Pucciniostele clarkiana Transhel & Kom.: Komarov, V. L., 1899.

ASTRAGALUS
Bacterium astragali Takimoto: Takimoto, S., 1930c.

ASTRAGALUS (Milk Vetch)
Sclerotinia trifoliorum Erikss.: Hino, Iwao, 1930.

ASTRAGALUS sinicus L.
Sclerotinia trifoliorum Erikss.: Hori, Shôtarô, 1901d.
Thyrospora astragali Yoshii: Yoshii, Hazime, 1929c.
Tuberculina nomuriana Sacc.: Nomura, H., 1904.

AUCUBA japonica Thunb.
Disease: Tanaka, Nobujirô, 1888a.

AZALEA
Cercospora handolii Bubák: Hemmi, T., and Kurata, S., 1931a.
Rhytisma shiraiana Hemmi & Kurata: Hemmi, T., and Kurata, S., 1931a.
Septoria azaleae Voglino: Hemmi, T., and Kurata, S., 1931b.
Venturia rhododendri Tengwall: Hemmi, T., and Kurata, S., 1931a.

BAMBOO [see BAMBUSEAE (Bamboo)]

BAMBUSA shimadai Hayata
Disease: Kawamura, Seiichi, 1928a.

BAMBUSEAE (Bamboo)
Aciculosporium take Miyake: Miyake, Ichirô, 1908b.
Ceratosphaeria: Kawamura, Seiichi, 1936b.
Chaetosphaeria: Kawamura, Seiichi, 1936b.
Fungi: Hara, Kanesuke, 1913a.
Kawamura, Seiichi, 1907, 1927a.
Miyake, Ichirô, and Hara, Kanesuke, 1910.
Loculistroma bambusae Patterson & Charles: Patterson, F. W., and Charles, V. K., 1910.
Miyoshiella: Kawamura, Seiichi, 1936b.
Puccinia: Hara, Kanesuke, 1933a.
Puccinia phyllostachydis Kusano: Kusano, S., 1908c.
Puccinia sasae Kusano: Kusano, S., 1908c.

BARLEY [see HORDEUM (Barley)]

BEAN [see PHASEOLUS (Bean)]

BEGONIA
Bacterium begoniae Takimoto: Takimoto, S., 1934b.

BERBERIS
Rust: Transhel, V., 1934.

BETA vulgaris L. (Sugar Beet)
Bacillus betivorus Takimoto: Takimoto, S., 1931b.
Bacterium aptatum Brown & Jamieson: Hirata, E., 1928.
Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.

BETA vulgaris L. (Sugar Beet)--Continued
Bacterium tumefaciens Smith & Townsend: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Cercospora beticola Sacc.: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Colletotrichum omnivorum Halsted: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Corticium vagum B. & C.: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Diseases: Nakata, K., and Takimoto, S., 1922b.
Hypochnus centrifugus (Lév.) Bres.: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Phoma betae Frank: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Physarum cinereum (Batsch) P.: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.
Pseudomonas destructans Potter: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1922.

BOEHMERIA nivea Gaud. (Ramie)
Ascochyta boehmeriae Watanabe: Watanabe, Tatsuwo, 1935.
Ramularia boehmeriae Fujiwara: Fujiwara, S., 1916.

BRASSICA campestris L.
Gloeosporium: Yoshino, Kiichi, 1910.

BRASSICA oleracea L. (Cabbage)
Bacillus aroideae Townsend: Takimoto, S., 1927a.
Bacterium campestre (Pammel) E. F. Smith: Takimoto, S., 1928b.

BRASSICA pekinensis Rupr. (Chinese Cabbage, Pe-tsai)
Bacillus aroideae Townsend: Takimoto, S., 1927e.
Bacterium campestre (Pammel) E. F. Smith: Takimoto, S., 1928b.
Bacterium maculicola McCulloch: Takimoto, S., 1931a.

BUCKWHEAT [see FAGOPYRUM (Buckwheat)].

CABBAGE [see BRASSICA oleracea L. (Cabbage)]

CALADIUM
Gloeosporium: Hemmi, T., 1918c.

CALENDULA officinalis L. (Marigold)
Bacterium calendulae Takimoto: Takimoto, S., 1935-36.

CALENDULA officinalis L. var. subspathulata
Alternaria: Yamamoto, Sigeo, 1934.

CALLISTEPHUS chinensis Nees (China Aster)
Disease: Nakamura, Hisao, 1926.
Septoria callistephi Gloyer: Nakamura, Hisao, 1931.

CHRYSANTHEMUM
Puccinia: Kusano, S., 1904c.
Puccinia chrysanthemi Roze: Kusano, S., 1904g, 1908a.
Puccinia horiana P. Henn.: Kusano, S., 1904g, 1908a.
Septoria: Hemmi, T., 1917.
Septoria chrysanthemella Sacc.: Hemmi, T., and Nakamura, Hisao, 1927.
Septoria obesa Syd.: Hemmi, T., and Nakamura, Hisao, 1927.
Uredo autumnalis Diet.: Kusano, S., 1908a.

CHRYSANTHEMUM cinerariifolium Vis.
Diplodia chrysanthemella Ikata: Ikata, Suehiko, 1928.

CHRYSANTHEMUM indicum L.
Puccinia chrysanthemi Roze: Jacky, E., 1900-03.
Roze, E., 1900c.
Uredo chrysanthemi Roze: Roze, E., 1900a.

CINCHONA
Phytophthora cinchonae Sawada: Sawada, Kaneyoshi, 1936.

CINNAMOMUM camphora Nees & Eberm. (Camphor)
Diseases: Kurosawa, Gompei, 1911.
Fomes lamaensis (Murr.) Sacc. & Trott.: Sawada, Kaneyoshi, 1928a.
Glomerella cinnamomi Yoshino: Yoshino, Kiichi, 1907.
Pestalozzia camphori Kurosawa: Kurosawa, Gompei, 1908, 1911.

CINNAMOMUM loureirii Nees
Disease: Tanaka, Nobujirô, 1888a.

CITRUS
Cladosporium citri Massee: Sawada, Kaneyoshi, and Kurosawa, Gompei, 1925b.
Corticium zimmermannii Sacc. & Syd.: Sawada, Kaneyoshi, 1918c.
Diplodia natalensis Evans: Yü, Ta-fu, 1934c.
Diseases: Anonymous, 1892a.
Fawcett, H. S., and Lee, H. A., 1926.
Hara, Kanesuke, 1933c.
Ikata, Suehiko, 1927a.
Jenkins, A. E., and Fawcett, H. S., 1933.
Nishida, Toji, 1907, 1910, 1914, 1927.
Reinking, O. A., 1921.
Sawada, Kaneyoshi, 1927-30.
Takeuchi, Haruyoshi, 1929, 1931a.
Loranthus: Sawada, Kaneyoshi, 1922a.
Ovularia citri Br. & Farn.: Sawada, Kaneyoshi, and Kurosawa, Gompei, 1925a.
Penicillium fructigenum Takeuchi: Takeuchi, Haruyoshi, 1929.
Phoma citricarpa McAlp.: Kanayama, I., 1932.
Pseudomonas citri Hasse: Tanaka, Tyôzaburô, 1918b.
Sooty mold: Hara, Kanesuke, [no date].
Viscum: Sawada, Kaneyoshi, 1922a.

CITRUS (Orange)
Corticium salmonicolor B. & Br.: Hori, Shôtarô, 1921b.
Sphaceloma: Lu, Ta-ching, and Cheo, C. C., 1934.

CLADRASTRIS
Uromyces: Kusano, S., 1905c.

CLAUSENA lansium (Lour.) Skeels
Gloeosporium: Li, L. Y., 1936.

CLOVER, RED [see TRIFOLIUM (Red Clover)]
CLOVER, WHITE [see TRIFOLIUM (White Clover)]

COFFEA (Coffee)
Cercospora coffeae Zimm.: Fujikuro, Y., 1914g.
Diseases: Du Pasquier, R., 1933.

COFFEE [see COFFEA (Coffee)]

COLOCASIA (Taro)
Bacillus aroideae Townsend: Kawamura, Eikichi, 1931b.
Bacterium colocasiae Takimoto: Takimoto, S., 1932.
Kawakamia colocasiae (Racib.) Sawada: Sawada, Kaneysohi, 1911a.
Phytophthora colocasiae Racib.: Tai, Fang-lun, 1923.

COMPOSITAE
Coleosporium: Hiratsuka, Naohide, 1927g.
Puccinia: Kuprevich, V. F., 1935.

CONVALLARIA majalis L.
Urocystis miyabeana Togashi & Ônuma: Togashi, K., and Ônuma, Fusaji, 1930.
CORYDALIS incisa P.
Caeoma: Matsumoto, Takashi, 1926.

CRATAEGUS
Gymnosporangium magnum Crowell: Crowell, I. H., 1936.

CROCUS
Bacillus croci Mizusawa: Mizusawa, Y., 1923.

CROCUS sativus L.
Bacillus croci Mizusawa: Mizusawa, Y., 1921.
Fusarium bulbigenum Cke. & Mass. var. blasticola (Rostr.) Wr: Abe, Takuji, 1933.

CRUCIFERAE
Albugo candida (P.) Kuntze: Hiura, M., 1930.
Alternaria: Yoshii, Hazime, 1933b.
Bacterium maculicola McCulloch: Takimoto, S., 1931c.

CRUCIFERAE--Continued
Bacterium maculicola McCulloch var. japonicum Takimoto: Takimoto, S., 1931c.
Peronospora brassicae Gäumann: Hiura, M., and Kanegae, H., 1934.
White rust: Togashi, K., Shibasaki, Y., and Sugano, Y., 1930.

CUCUMBER [see CUCUMIS sativus L. (Cucumber)]

CUCUMIS sativus L. (Cucumber)
Peronospora cubensis B. & C.: Tanaka, N., 1890a.
Pythium aphanidermatum (Edson) Fitzpatrick: Yü, Ta-fu, 1934a.

CUCURBITA (Squash)
Choanephoroidea cucurbitae Miyake & Itô: Miyake, Ichirô, and Itô, Shingo, 1935.

CUCURBITACEAE
Diseases: Lavrov, N. N., 1932.

CULTIVATED PLANTS [see PLANTS, CULTIVATED]

CYCLAMEN
Bacillus aroideae Townsend: Takimoto, S., 1931e.
Colletotrichum cyclamenae Halsted: Takimoto, S., 1931e.

CYDONIA japonica P.
Exoascus cerasi (Fckl.) Sadebeck: Heinricher, E., 1928.

CYPERACEAE
Brachysporium: Hiroe, Isamu, 1935-36.

CYPERUS tegetiformis Roxb.
Kawakamia cyperi (Miyabe & Ideta) Miyabe: Kawakami, Takiya, 1904. Kawakami, Takiya, and Miyabe, K., 1903.

DAUCUS carota L.
Alternaria radicina Meier, Drechsler & Reddy: Yoshii, Hazime, 1929d.
Disease: Shirai, M., 1907.

DIOSCOREA (Yam)
Cylindrosporium dioscoreae Miyabe & Itô: Itô, Seiya, 1912.

DIOSCOREA alata L.
Gloeosporium: Gotô, Kazuo, 1929.

DIOSCOREA batatas Decne
Gloeosporium: Gotô, Kazuo, 1929.

DIOSPYROS (Japanese Persimmon)
Mycosphaerella nawae Hiura & Ikata: Hiura, M., 1929a.

DIOSPYROS (Persimmon)
Gloeosporium kaki Itô: Itô, Seiya, 1911b.

DIOSPYROS kaki L. f.
Pestalozzia diospyri Syd.: Nojima, T., 1929.
Pestalozzia theae Sawada: Nojima, T., 1929.

ECHINOCHLOA crus-galli (L.) Beauv. (Panicum crus-galli L.)
Helminthosporium crus-galli Nishikado & Miyake: Nishikado, Y., and Miyake, Chuichi, 1924b, 1924c.

ECHINOCHLOA crus-galli (L.) Beauv. subsp. submutica Honda var. typica Honda
Sclerotium fumigatum Nakata: Endô, Sigeru, and Sakita, S., 1933.

ECONOMIC PLANTS [see PLANTS, ECONOMIC]

EDGEWORTHIA papyrifera Zucc.
Helicobasidium mompa Tanaka: Honda, Kôsuke, 1891.

EGGPLANT [see SOLANUM melongena L. (Eggplant)]

ERAGROSTIS major Host.
Helminthosporium: Nishidako, Y., 1928c.
Ophiobolus kusanoi Nishikado, Y., 1928c.

ERICACEAE
Pucciniastreae: Hiratsuka, Naohide, 1927b.

ERIOBOTRYA japonica Lindl. (Loquat)
Bacterium eriobotryae Takimoto: Takimoto, S., 1931h.
Entomosporium: Takimoto, S., 1934a.

EVONYMUS
Oidium: Foex, E., 1910.

EVONYMUS japonica L. (Japanese Spindle Tree)
Gloeosporium evonymicola Hemmi: Hemmi, T., 1918a.
Oidium euonymi-japonici (Arcang.) Salm.: Hino, Iwao, and Katô, Huzio, 1929.

FAGOPYRUM [Buckwheat]
Phytophthora fagopyri Takimoto: Takimoto, S., 1935b.

FAGUS
Tramotes dickinsii B.: Hemmi, T., 1933.

FAGUS crenata Blume
Endoconidiophora bunae Kitashima: Kitashima, K., 1936.

FIBER PLANTS, BAST
Diseases: Gitman, L., and Boichenko, E., 1934.

FLAX [see Linum (Flax)]

FLOWERS
Bacillus amidovo Townsend: Takimoto, S., 1927a.

FOREST TREES [see TREES, FOREST]

FORTUNELLA (Kumquat)
Pythiacystis citrophthora R. E. & E. H. Smith: Takimoto, S., 1931j.

FRAXINUS rhynchophylla Hance
Uropyxis fraxini (Kom.) P. Magn.: Magnus, P., 1899a.

FRITILLARIA kamtschatcensis Ker-Gawl.
Uromyces miurae Syd.: Rees, C. C., 1917.

FRUIT
Diseases: Fujikuro, Y., 1917.
Ho, William T. H., 1935-36.
Yü, Ta-fu, 1934b, 1934c.

FRUIT TREES [see TREES, FRUIT]
GINSENG [see PANAX (Ginseng)]
GLYCINE hispida Maxim. [see GLYCINE max Merr. (Soy Bean)]

GLYCINE max Merr. (Soy Bean)
Bacterium sojae Wolf: Takimoto, S., 1921a.
Bacterium sojae Wolf. var. japonicum Takimoto: Takimoto, S., 1927h.
Cercospora diazu Miura: Abramov, I. N., 1931.
Cercospora kikuchii Matsumoto & Tomoyasu: Matsumoto, Takashi, and Tomoyasu, R., 1925.
Diaporthe: Yoshii, Hazime, and Sasaki, Seisaburô, 1927.
Diseases: Kataeva, O. E., 1932.
Fusarium: Nojima, T., 1926.
Phomopsis: Sasaki, Syun'iti, 1929b.
Phyllosticta sojaecola Massal.: Abramov, I. N., 1931.
Sclerotinia libertiana Fckl.: Abramov, I. N., 1931.
Septoria glycines Hemmi: Hemmi, T., 1915b.

GOMPHRENA globosa L.
Alternaria gomphrenae Togashi: Togashi, K., 1926a.
Yoshii, Hazime, 1933a.

GOSSYPIUM (Cotton)
Alternaria macrospora Zimm.: Takimoto, S., 1934c.
Bacterium malvacearum E. F. Smith: Nakata, K., Nakajima, Tomosuke, and Takimoto, S., 1924.

GOSSYPIUM (Cotton)--Continued
Diseases: Cook, O. F., 1920.
Jaczewski, A. A., 1931
Takimoto, S., 1924.
Glomerella gossypii Edgerton: Nakata, K., and Takimoto, S., 1917.

GRAMINEAE
Brachysporium: Hirce, Isamu, 1935-36.
Diseases: Hemmi, T., 1934a.
Tai, Fang-lan, 1927b.
Drechslera: Itô, Seiya, 1930.
Fusarium: Murashkinski, K. E., 1924.
Gibberella moniliformis (Sheld.) Wineland: Nishikado, Y., 1931-33, 1932.
Helminthosporium: Itô, Seiya, 1930.
Nishikado, Y., 1925, 1928a, 1929b.
Lisea fujikuroi Sawada: Nishikado, Y., 1931-33, 1932.
Ophiobolus: Itô, Seiya, 1930.
Puccinia: Hemmi, T., 1934b.
Takahashi, Yoshinao, 1906a.
Puccinia graminis P. var. tritici Erikss. & Henn.: Rusakov, L.F., 1925, 1927.
Puccinia triticina Erikss.: Rusakov, L.F., 1925, 1927.
Pyrenophora: Itô, Seiya, 1930.
Typhula graminum Karst.: Tasugi, H., 1929, 1930.
Typhula itoana Imai: Imai, Sanshi, 1936b.
Uredinales: Itô, Seiya, 1908-09.
Manabe, A., 1906.
Takahashi, Yoshinao, 1905b, 1906a.
Urocystis: Woo, Chang-tsi, 1934.
Ustilaginea: Hori, Shôtarô, 1896a, 1896b.
Ustilago: Hara, Kunesuke, 1934c.
Woo, Chang-tsi, 1934.

GRAPE [see VITIS (Grape)]

HELIANTHUS (Sunflower)
Bacterium helianthi Kawamura: Kawamura, Eikichi, 1934b.

HEVEA (Rubber Tree)
Fomes semitostus (B.) Cke.: Sawada, Kaneyoshi, 1916d.

HIBISCUS
Bacterium hibisci Nakata & Takimoto: Nakata, K., and Takimoto, S., 1923.

HOP [see HUMULUS (Hop)]

HORDEUM (Barley)
Helminthosporium gramineum Rabh.: Yü, Ta-fu, 1936a.
Ophiobolus graminis Sacc.: Hori, Shôtarô, 1901c.

HORDEUM (Barley)--Continued
Pyrenophora teres (Died.) Drechsler: Nishikado, Y., and Miyake, Chuichi, 1928.
Rhizoctonia: Yokogi, K., 1931.
Sclerotial disease: Matsumoto, Takashi, 1928.
Tilletia pancicii Bubák & Ranoj.: Tasugi, H., and Yamada, Wataru, 1925.
Ustilago hordei (P.) Kellerm. & Swingle: Yü, Ta-fu, and Chen, Hung-kwei, 1930.
Ustilago nuda (Jensen) Kellerm. & Swingle: Hori, Shôtarô, 1896c.

HUMULUS (Hop)
Peronoplasmopara humuli Miyabe & Takahashi: Miyabe, K., and Takahashi, Yoshinao, 1906.

HYACINTH (see Hyacinthus (Hyacinth)]

HYACINTHUS(Hyacinth)
Bacterium aroideae (Townsend) Stapp: Takimoto, S., 1935-36.

ILLICIUM anisatum L.
Gloeosporium illicii Hemmi: Hemmi, T., 1920a.

IMPATIENS balsamina L.
Cercospora fukushiana Matsuura: Matsuura, Isamu, 1928.

IRIS
Bacterium iridicola Takimoto: Takimoto, S., 1931d.

JUNCUS
Cercosporina juncicola Hori & Kasai: Kasai, M., 1922.
Sclerotium: Nakata, K., 1933.

JUNCUS effusus L. var. decipiens Buch.
Cercosporina juncicola Hori & Kasai: Kasai, M., 1923b.

KAOLIANG [see SORGHUM nervosum Boss. (Kaoliang)]

KONJAC [see AMORPHOPHALLUS rivieri Dur. var. konjac (C. Koch) Engler (Konjac)]
KUMQUAT [see FORTUNELLA (Kumquat)]

LACTUCA sativa L. (Lettuce)
Disease: Fukushi, T., 1929.

LACTUCA sativa L. var. angustata
Bacterium lactucae Yamamoto: Yamamoto, Sigeo, 1934.

LEPIRONIA mucronata Rich.
Phytophthora lepironiae Sawada: Sawada, Kaneyoshi, 1919a.

LEGUMINOSAE
Ceratophorum setosum Kirchner: Hemmi, T., 1919b.

LEPTOCHLOA chinensis Nees
Helminthosporium leptochloae Nishikado & Miyake: Nishikado, Y., and Miyake, Chuichi, 1924a.

LESPEDEZA
Uromyces: Hiratsuka, Naohide, and Tobina, E., 1935.

LETTUCE [see LACTUCA sativa L. (Lettuce)]

LILIUM (Lily)
Bacteria: Bokura, U., 1919.
Botrytis liliorum Fujikuro: Fujikuro, Y., 1914a.
Cercosporella inconspicua (Wint.) v. Höhn.: Hiura, M., 1925.
Rhizopus necans Mass.: Anonymous, 1897c.

LILY[see LILIUM (Lily)]

LINUM (Flax)
Colletotrichum lini (Westerdijk) Tochinai: Hiura, M., 1924a.
Colletotrichum linicola Pethybr. & Laff.: Hiura, M., 1923.
Diseases: Oleinikova, V. M., 1935.
Melampsora liniperda (Körn.) Palm: Hiratsuka, Naohide, 1926-28.

LINUM usitatissimum L.
Colletotrichum linicola Pethybr. & Laff.: Hemmi, T., 1920a.

LIQUIDAMBAR formosana Hance
Penicillium (?): Fauvel, A. A., 1884c.

LOQUAT [see ERIOBOTRYA japonica Lindl. (Loquat)]

LYCIUM chinense Mill.
Diseases: Itô, Tokutarô, 1887d.
Spegazzini, C., and Itô, Tokutarô, 1888.

LYCOPERSICUM esculentum Mill. (Tomato)
Bacillus aroideae Townsend: Takimoto, S., 1927a.
Phoma destructiva Plowr.: Takimoto, S., 1931g.
Phytophthora terrestris Sherb.: Takimoto, S., 1931g.

MACHILUS longifolia Blume
Cintractia machili Hino & Nagaoka: Hino, Iwao, and Nagaoka, E., 1931.

MACHILUS thunbergii Sieb. & Zucc. var. glaucescens Blume
Cintractia machili Hino & Nagaoka: Hino, Iwao, and Nagaoka, E., 1931.

MAHONIA japonica DC.
Gloeosporium japonicum Hemmi: Hemmi, T., 1920a.

MAIZE [see ZEA mays L. (Maize)]

MALLOTUS japonicus Muell.
Aplanobacter malloti Takimoto: Takimoto, S., 1930a.

MALUS (Apple)
Diseases: Takahashi, Yoshimo, and Okamoto, Hanjirô, 1908.
Gymnosporangium yamadae Miyabe: Fukushi, T., 1925.
Tai, Fang-lan, 1923.
Phytophthora cactorum (Leb. & Cohn) Schröt.: Takimoto, S., 1919.
Sclerotinia mali Takihashi: Takahashi, Yoshinao, 1915.
Sphaeropsis malorum Pk.: Takimoto, S., 1923.
Valsa mali Miyabe & Yamada: Togashi, K., 1924b.

MALUS sieboldii Rehd.
Gymnosporangium love Crowell: Crowell, I. H., 1936.

MECONOPSIS
Disease: Cotton, A. D., 1929.

MELIA azedarach L.
Fomes: Yamamoto, Wataro, 1936.

MICROLESPEDEZA
Uromyces: Hiratsuka, Naohide, and Tobina, E., 1935.

MILLET [see SETARIA (Millet)]
MILLET, ITALIAN [see SETARIA italica (L.) Beauv. (Italian Millet)]

MORUS (Mulberry)
Aecidium mori Barclay: Hiura, M., 1931.
Bacteria: Nomura, H., 1908.
Bacterium mori Boyer & Lambert: Takimoto, S., 1927c.
Coniothyrina mori Yendo & Takase: Yendo, Yasutarô, and Takase, Kiiti, 1932.
Dematophora necatrix Hartig: Nomura, H., 1901b.
Diaporthe: Yamauchi, T., 1930.
Diseases: Hotta, T., 1934.
Sawada, Kaneyoshi, 1912c.
Helicobasidium mompa Tanaka: Tanaka, Nobujirô, 1890f.
Helicobasidium tanakae Miyabe: Ts'ui, Po-t'ang, 1934.
Uredo: Tanaka, Nobujirô, 1890d.

MORUS alba L.
Coryneum mori Nomura: Nomura, H., 1904.
Phoma niphonia Nomura: Nomura, H., 1904.

MULBERRY [see MORUS (Mulberry)]

NARCISSUS
Sporotrichum narcissi Tochinai & Shimada: Tochinai, Yoshihiko, and Shimada, Shoichi, 1930.

NICOTIANA tabacum L. (Tobacco)
Alternaria longipes (Ell. & Ev.) Tisdale & Wadkins: Takimoto, S., 1934c.
Bacillus aroideae Townsend: Nakata, K., 1927a.
Bacterium nicotianum Takimoto: Takimoto, S., 1926.
Colletotrichum: Takimoto, S., 1934d.
Diseases: Nakamura, Hisao, 1932.

ONION [see ALLIUM (Onion)]
ONION, WELSH [see ALLIUM (Welsh Onion)]
ORANGE [see CITRUS (Orange)]
ORNAMENTAL PLANTS [see PLANTS, ORNAMENTAL]

ORYZA sativa L. (Rice)
Absidia: Miyake, Ichirô, and Takada, K., 1922.
Achlya prolifera (Nees) de By.: Abe, Takuji, 1928a.
Hemmi, T., and Abe, T., 1928.
Sawada, Kaneyoshi, 1912d.
Bacterium oryzae (Uyeda & Ishiyama) Nakata: Takeuchi, Haruyoshi, 1930.
Brachysporium oryzae Itô & Ishiyama: Itô, Seiya, and Ishiyama, Tetsuji, 1929.
Dactylaria: Sawada, Kaneyoshi, 1917b.
Dactylaria parasitans Cavara: Shirai, M., 1905b.
Diseases: Chu, Hsieh-tseng, 1931.
Hara, Kanesuke, 1918.
Hemmi, T., 1928.
Hori, Shôtarô, 1890.
Itô, Seiya, 1932.
Kurosawa, Gompei, 1911.
Kuwana, S. L., 1930.
Miyake, Ichirô, 1908a, 1909, 1910.
Nishikado, Y., 1917b, 1936.
Nishikado, Y., and Matsumoto, Hiroyoshi, 1932.
Tasugi, H., 1931.
Wei, C. T., 1931, 1934b.
Wood, J. I., 1934.
Epicoccum neglectum Desm.: Itô, Seiya, and Iwadare, S., 1934.
Epicoccum oryzae Itô & Iwadare: Itô, Seiya, and Iwadare, S., 1934.
Fusarium: Setô, F., 1928.
Fusarium heterosporum Nees: Andô, Hirotarô, 1898.
Fujikuro, Y., 1916.
Gibberella fujikuroi (Sawada) Wr.: Itô, Seiya, 1932.
Itô, Seiya, and Kimura, Jinya, 1931.
Nishikado, Y., Matsumoto, Hiroyoshi, and Yamauti, K., 1934b.
Setô, F., 1935.

ORYZA sativa L. (Rice)--Continued
Gibberella saubinetii (Mont.) Sacc.: Ikeya, J., 1933.
Kasai, M., 1923a.
Helicoma echinosporium Itô & Sasaki: Itô, Seiya, 1932.
Helminthosporium: Hemmi, T., and Yokogi, K., 1928.
Nishikado, Y., 1926b, 1927b.
Nishikado, Y., and Miyake, Chuichi, 1922.
Helminthosporium oryzae Miyabe & Hori: Hori, Shôtarô, 1901f.
Kurosawa, Gompei, 1911.
Wei, C. T., 1936.
Hypochnus: Hemmi, T., and Yokogi, K., 1928.
Sakurai, Motoi, 1917.
Lisea fujikuroi Sawada: Kurosawa, Gompei, 1928.
Nishikado, Y., and Matsumoto, Hiroyoshi, 1932.
Ophiobolus miyabeanus Itô & Kuribayashi: Itô, Seiya, 1932.
Suzuki, Hashio, 1930.
Penicillium commune Thom: Miyake, Ichirô, and Tanaka, K., 1922.
Piricularia grisea Miyabe & Hori: Hori, Shôtarô, 1899.
Piricularia oryzae Briosi & Cav.: Abramov, I. N., 1928.
Hara, Kanesuke, 1911d.
Itô, Seiya, 1932.
Nishikado, Y., 1927a.
Shirai, M., 1905b.
"Sueda, Heishichi", 1928.
Suzuki, Hashio, 1930, 1934.
Pseudomonas itoana Tochinai: Tochinai, Yoshihiko, 1932.
Pseudomonas oryzae Uyeda & Ishiyama: Ishiyama, Shin'ichi, 1928.
Pythium echinocarpum Itô & Tokunaga: Itô, Seiya, and Tokunaga, Y., 1933.
Pythium nagaii Itô & Tokunaga: Itô, Seiya, and Tokunaga, Y., 1933.
Pythium oryzae Itô & Tokunaga: Itô, Seiya, and Tokunaga, Y., 1933.
Rhizoctonia: Wei, C. T., 1934a.
Sclerospora: Yamada, Gentarô, 1911b.
Sclerospora macrospora Sacc.: Yamada, Gentarô, 1911a.
Sclerotium: Hemmi, T., and Yokogi, K., 1927, 1928.
Sakurai, Motoi, 1917.
Tilletia horrida Takahashi: Takahashi, Yoshinao, 1896.
Ustilago virens Cke.: Hori, Shôtarô, 1893.
Takahashi, Yoshinao, 1896.

PANAX (Ginseng)
Bacillus araliavorus Uyeda: Uyeda, Yeijirô, 1908b.
Diseases: Nakata, K., and Takimoto, S., 1922a.
Phytophthora cactorum (Leb. & Cohn) Schröt.: Hori, Shôtarô, 1907b.
Sclerotinia: Takimoto, S., 1915a.

PANICUM crus-galli L. [see ECHINOCHLOA crus-galli (L.) Beauv. (Panicum crus-galli L.)]

PANICUM miliaceum L.
Tolyposporium bullatum Schröt.: Takahashi, Yoshinao, 1902b.
Ustilago crus-galli Tracy & Earle: Takahashi, Yoshinao, 1902b.

PANICUM miliaceum L.--Continued
Ustilago panici-miliacei (P.) Wint.: Hori, Shôtarô, 1901c.
Takahashi, Yoshinao, 1902a.
Ustilago spaerogena Burr.: Takahashi, Yoshinao, 1902b.

PAPAVER (Poppy)
Bacterium papavericola Bryan & McWhorter: Takimoto, S., 1931i.
Bacterium papaveris Takimoto: Takimoto, S., 1935c.
Helminthosporium: Sawada, Kamyoshi, 1918a.

PASANIA
Trametes dickinsii B.: Hemmi, T., 1933.

PASANIA cuspidata Oerst.
Irpex tabacinoides Yasuda: Yasuda, A., 1919c.

PAULOWNIA
Gloeosporium kawakamii Miyabe: Yoshii, Hazime, 1928a.
Witches'-broom: Hori, Shôtarô, 1921c.

PAULOWNIA tomentosa Steud.
Diseases: Hara, Kanosuke, 1933b.
Gloeosporium kawakamii Miyabe: Kawakami, Takiya, [1903?].
Yoshii, Hazime, 1933c.
Valsa paulowniae Miyabe & Hemmi: Hemmi, T., 1916a, 1916d.

PEA [see PISUM sativum L. (Pea)]
PEACH [see PRUNUS persica (L.) Stokes (Peach)]
PEANUT [see ARACHIS hypogaea L. (Peanut)]
PEAR [see PYRUS (Pear)]
PEPPER [see CAPSICUM (Pepper)]
PERSIMMON [see DIOSPYROS (Persimmon)]
PERSIMMON, JAPANESE [see DIOSPYROS (Japanese Persimmon)]

PETASITES
Bacterium petasitis Takimoto: Takimoto, S., 1927b.

PE-TSAI [see BRASSICA pekinensis Rupr. (Chinese Cabbage: Pe-tsai)]

PETUNIA violacea Lindl.
Cercosporina petuniae Saitô: Saitô, Hidesaku, 1931.

PHANEROGAMAE
Diseases: Patouillard, N., 1886a.

PHASEOLUS (Bean)
Bacterium phaseoli E. F. Smith: Takimoto, S., 1928a.
Colletotrichum truncatum (S.) Andrus & Moore: Hwang, Liang, 1935.

PHASEOLUS radiatus L. var. aurea Prain
Colletotrichum phaseolorum Takimoto: Sasaki, Mitsuo, 1936.
Takimoto, S., 1934g.

PHYLLOSTACHYS
Ustilago shiraiana P. Henn.: Hori, Shôtarô, 1905.

PHYLLOSTACHYS nigra Munro var. henonis Stapf
Colletotrichum hsienjenchang Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934a.
Sclerotium japonicum Endô & Hidaka: Endô, Sigeru, and Hidaka, Z., 1935.

PHYLLOSTACHYS reticulata C. Koch
Asterinella hiugensis Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934b.
Colletotrichum hsienjenchang Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934a.
Phragmothyrium japonicum Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934b.
Sclerotium japonicum Endô & Hidaka: Endô, Sigeru, and Hidaka, Z., 1935.

PISUM sativum L. (Pea)
Alternaria fasciculata (Cke. & Ell.) Jones & Grout: Iwadare, S., 1931.
Ascochyta pinodella L. K. Jones: Takimoto, S., 1935a.
Ascochyta pinodes L. K. Jones: Takimoto, S., 1935a.
Ascochyta pisi Lib.: Takimoto, S., 1935a.
Fusarium: Togashi, K., and Tsukamoto, Eiji, 1926-28.
Fusarium anguioides Sherb.: Togashi, K., 1928.
Fusarium arthrosporioides Sherb.: Togashi, K., 1928.
Fusarium sporotrichioides Sherb.: Togashi, K., 1928.
Mycosphaerella pinodes (B. & Blox.) R. E. Stone: Takimoto, S., 1933.

PLANTS
Bacteria: Okabe, N., 1932-35 (Formosa).
Erysiphaceae: Tai, Fang-lan, 1935a (China; Host index).
Fungi: Benois, C. A., 1927 (Yakutsk).
Chang, Tsu-shun, 1916 (Peking).
Ch'ien, Sui-sun, 1918 (Peking).
Chu, Vong-may, 1927 (China); 1933a (Chekiang).
Gameshin, S. S., and Transhel, V., 1913 (Irkutsk; Host index).
Hara, Kanesuke, 1928b (Japan).
Hanmi, T., 1926 (Control; Japan).
Ho, Tsun-fung (Japan: Hosts).
Ideta, A., 1932 (Yamagouchi Pref.).
Itô, Seiya, 1921 (Hokkaido); [date ?] (Japan).
Nishikado, Y., Matsumoto, Hiroyoshi, and others, 1927-33 (Index literature; Japan).

PLANTS--Continued

Fungi--Continued

Stevenson, J. A., 1926 (Host index).
Sawada, Kaneyoshi, 1931 (Formosa: Host index).
Tai, Fang-lan, 1936-37 (China; Host index).
Takeuchi, Haruyoshi, and Shimizu, Masayasu, 1930 (Korea).
T'u, Chih, 1930 (China).

Hypochnus centrifugus (Lév.) Tul.: Endô, Sigeru, 1931 (Japan; Hosts).
Ovulariopsis: Sawada, Kaneyoshi, 1930 (Formosa; Host index).
Phyllactinia corylea (P.) Karst.: Sawada, Kaneyoshi, 1930 (Formosa; Host list).
Phytophthora: Tucker, C. M., 1933 (Hosts).
Synchytrium: Kusano, S., 1909 (Hosts).
Uredinales: Jørstad, I., 1934 (Kamchatka; Host index).
Ustulina: Wilkins, W. H., 1934 (Host index).
Valsa: Togashi, K., 1929 (Hosts).
Virus diseases: Fukushi, T., 1932 (Japan; Hosts).
Otero, J. J., and Cook, M. T., 1934 (Bibliography).

PLANTS, CULTIVATED

Anthracnoses: Hemmi, T., and Nojima, T., 1927 (Japan).
Diseases: Asuyama, H., 1935-36 (Japan).
Desiatkin, N. L., 1936a (Mongolia).
Fujikuro, Y., 1914c, 1914d, 1918 (Formosa).
Hara, Kanesuke, 1928a (Japan).
Ishiyama, Tetsuji, 1936a, 1936b (s. Sachalin).
Katô, M., [date ?] (Korea).
Kawakami, Takiya, and Suzuki, R., 1908 (Formosa).
Lavrov, N. N., 1932 (Siberia).
Miura, Michiya, 1921-30 (Manchuria).
Nakata, K., and Takimoto, S., 1928 (Korea).
Palchovsky, N. A., 1891 (s. Ussuri).
Porter, R. H., 1926b. (c. China).
Sawada, Kaneyoshi, 1902-12 (Formosa).
Sorokin, N., 1890 (s. Ussuri).
Tsou, Ping-wên, and Tsou, Chung-lin, 1919 (China).

Fusarium: Savari, A. I., 1923b (Primorsk).
Hypochnus: Sawada, Kaneyoshi, 1912b (Formosa).
Typhula: Imai, Sanshi, 1931 (Japan).

PLANTS, ECONOMIC

Diseases: Fukui, Takeji, 1916 (Japan).
Han, Lü-ch'ên, 1927-28 (Kwangtung).
Hori, Shôtarô, 1893, 1910-16 (Japan).
Miyake, Ichirô, 1907 (Japan).
Reinking, O. A., 1919 (s. China).
Shirai, M., 1888-90 (Japan).
T'u, Chih, 1932 (s. China; Host index).
Wang, Schauder, 1934a (Hangchow)

Virus diseases: Ho, William T. H., and Li, L. Y., 1936 (Kwangtung).

PLANTS, ORNAMENTAL
Diseases: Hara, Kanesuke, 1920 (Japan).

PLANTS, WOODY
Diseases: Hara, Kanesuke, 1927b (Japan).

PLANTS, WILD
Diseases: Desiatkin, N. L., 1936a (Mongolia).
Tsou, Ping-wên, and Tsou, Chung-lin, 1919 (China).

PLUM [see PRUNUS (Plum)]

POLYGONATUM
Cylindrosporium komarowi Jaczewski: Jaczewski, A. A., 1900a, 1900d.

POLYGONUM multiflorum Thunb.
Diseases: Spegazzini, C., and Itô, Tokutarô, 1888.
Itô, Tokutarô, 1887d.

POMEGRANATE [see PUNICA (Pomegranate)]
POPPY [see PAPAVER (Poppy)]
POTATO [see SOLANUM tuberosum L. (Potato)]

PRUNUS
Cacoma makinoi Kusano: Kusano, S., 1906.
Thekopsora: Hiratsuka, Naohide, 1927d.

PRUNUS (Japanese Cherry)
Cacoma radiatum Shirai: Shirai, M., 1895d.

PRUNUS (Plum)
Disease: Ishiyama, Shin'ichi, 1922.

PRUNUS cerasus L. (Cherry)
Mycosphaerella cerasella Aderh.: Miyake, Chuichi, 1923.
Thekopsora: Kuprevich, V. F., 1933.

PRUNUS mume Sieb. & Zucc.
Cacoma makinoi Kusano: Kusano, S., 1903a, 1911b.
Camarosporium: Homma, Y., 1927.
Camarosporium persicae Maubl.: Homma, Y., 1926.
Valsa japonica Miyabe & Hemmi: Hemmi, T., 1916c.

PRUNUS padus L.
Thekopsora: Kuprevich, V. F., 1933.

PRUNUS persica (L.) Stokes (Peach)
Camarosporium: Homma, Y., 1927.
Camarosporium persicae Maubl.: Homma, Y., 1926.

PRUNUS persica (L.) Stokes (Peach)--Continued
Cladosporium carpophilum Thüm.: Fujikuro, Y., 1914f.
Leucostoma leucostoma P.: Togashi, K., 1930.
Puccinia pruni-persicae Hori: Hori, Shôtarô, 1912.
Valsa japonica Miyabe & Hemmi: Togashi, K., 1930.

PRUNUS pseudo-cerasus Lindl.
Taphria pseudo-cerasus Shirai: Shirai, M., 1895c.

PRUNUS yedoensis Mats.
Valsa japonica Miyabe & Hemmi: Hemmi, T., 1916c.

PSIDIUM guajava L.
Myxosporium psidii Sawada & Kurosawa: Kurosawa, Gompei, 1926.

PUERARIA thunbergiana Benth.
Synchytrium puerariae (P. Henn.) Miyabe: Kusano, S., 1908b.

PUNICA (Pomegranate)
Zythia versoniana Sacc.: Tai, Fang-lan, and Cheo, C. C., 1933, 1934.

PYRUS (Pear)
Blight: Reimer, F. C., 1925.
Colletotrichopsis piri (Noack) Bubák: Kurosawa, Gompei, 1912.
Diaporthe ambigua Nitschke: Tanaka, Ichirô, 1934.
Glomerella cingulata (Stonem.) Spauld. & v. Schrenk: Yü, Ta-fu, and Yeh, Ho-ts'ai, 1934.
Gymnosporangium: Soh You-kuh, [date ?], Chinese append.
Gymnosporangium haraeanum Syd.: Tai, Fang-lan, 1933.
Phomopsis: Endô, Sigeru, 1927.
Nakajima, Tomosuke, and Takimoto, S., 1924.
Phomopsis fukushii Endô & Tanaka: Tanaka, Sôichi, and Endô, Sigeru, 1930.

PYRUS bretschneideri Rehd.
Corticium centrifugum (Lév.) Bres.: Cheo, C. C., 1936.

PYRUS serotina Rehd.
Alternaria kikuchiana Tanaka: Tanaka, Sôichi, 1933.

QUERCUS
Irpex purpureus Yasuda: Yasuda, A., 1919c.
Microsphaera dentatae Liou: Liou, Tchen-ngo, 1931b.
Stereum induratum B.: Hemmi, T., 1933.
Trametes dickinsii B.: Hemmi, T., 1933.
Tremella fuciformis B.: Cheng, Chi-hsi, 1934.
Witches'-brooms: Kusano, S., 1903c.

QUERCUS glandulifera Blume
Typhulochaeta: Itô, Seiya, 1915b.
Uncinula septata Salmon: Salmon, E. S., 1900a.

QUERCUS glauca Thunb.
Diseases: Yoshinaga, Torama, 1918.

QUERCUS mongolica Fisch.
Diseases: Kravtzev, B. I., 1935.

RADISH [see RAPHANUS (Radish)]
RAMIE [see BOEHMERIA nivea Gaud. (Ramie)]

RAPHANUS (Radish)
Bacillus aroideae Townsend: Takimoto, S., 1927c.
Bacterium campestre Pammel: Takimoto, S., 1928b.
Bacterium solanacearum E. F. Smith: Takimoto, S., 1930d.

RANUNCULACEAE
Puccinia: Itô, Seiya, 1911a.

RAPHIOLEPIS umbellata Makino
Coleopuccinia: Ido, Kiyoharu, 1935.

RHAMNUS
Rust: Transhel, V., 1934.

RHUS semi-alata Murr. var. osbeckii DC.
Uromyces spiralis Hori: Hori, Shôtarô, 1892a.

RICE [see ORYZA sativa L. (Rice)]

RICINUS communis L. (Castor Oil Plant)
Bacterium ricini Yoshii & Takimoto: Yoshii, Hazime, and Takimoto, S., 1928.
Macrosporium ricini Yoshii: Yoshii, Hazime, 1929a, 1931b.

ROSA (Rose)
Kuehneola rosae Sawada: Sawada, Kaneyoshi, 1918c.
Sphaceloma: Jenkins, A. E., 1932.

ROSACEAE
Sclerotinia: Hanzawa, Jun, 1905a.
Takahashi, Yoshinao, 1911.

ROSE [see ROSA (Rose)]
RUBBER TREE [see HEVEA (Rubber Tree)]

RUBUS
Hamaspora: Hiratsuka, Naohide, 1935f.

RUBUS sieboldii Blume
Phragmidium rubi-sieboldii Kawagoe: Kawagoe, S., 1915b.

SACCHARUM officinarum L. (Sugar Cane)
Cercospora taiwanensis Matsumoto & Yamamoto: Matsumoto, Takashi, and Yamamoto, Wataro, 1934.
Diseases: Ho, William T. H., 1935.
Helminthosporium: Matsumoto, Takashi, and Yammoto, Wataro, 1935a.

SAGITTARIA trifolia L. var. sinensis Makino
Dossansiopsis horiana (P. Henn.) Nishikado & Matsumoto: Nishikado, Y., and Matsumoto, Hiroyoshi, 1936.

SALIX (Willow)
Glocosporium: Fukushi, T., 1921.
Melampsora: Matsumoto, Takashi, 1917.
Physalospora miyabeana Fukushi: Fukushi, T., 1921.

SALIX pierotii Miq.
Melampsora chelidonii-pierotii Matsumoto: Matsumoto, Takashi, 1926.

SEMIARUNDINARIA fastuosa Makino
Disease: Kawamura, Seiichi, 1928a.

SEMIARUNDINARIA narihira Mak.
Phragmothyrium japonicum Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934b.
Phragmothyrium semiarundinariae Hino & Hidaka: Hino, Iwao, and Hidaka, Z., 1934b.

SESAMUM
Bacterium sesamicola Takimoto: Takimoto, S., 1927f.
Fusarium vasinfectum Atk.: Terui, M., 1934.

SESAMUM indicum L.
Alternaria sesamicola Kawamura: Kawamura, Eikichi, 1931c.
Macrosporium sesami Kawamura: Kawamura, Eikichi, 1931c.

SETARIA (Millet)
Diseases: Wai, Ngan-shou, 1930.
Yoshino, Kiichi, 1906.

SETARIA italica (L.) Beauv. (Italian Millet)
Sclerospora graminicola (Sacc.) Schröt.: Hiura, M., 1929b, 1935.
Shirai, M., 1897a.

SHRUBS
Diseases: Hara, Kanesuke, 1927a.

SOLANUM melongena L. (Eggplant)
Ascochyta: Takimoto, S., 1927d.
Phomopsis vexans (Sacc. & Syd.) Harter: Takimoto, S., 1927d.
Rhabdospora melongenae Hanzawa: Hanzawa, Jun, 1910b.

SOLANUM tuberosum L. (Potato).
Bacillus aroideae Townsend: Takimoto, S., 1927a.
Bacterium solanacearum E. F. Smith: Takimoto, S., 1930b.
Macrosporium solani Cke.: Yoshii, H., 1929e.
Phytophthora infestans (Mont.) de By.: Nomura, H., 1901a.

SOPHORA
Uredineae: Kusano, S., 1904a.
Uromyces: Kusano, S., 1905c.

SORGHUM nervosum Boss. (Kaoliang)
Anthracnose: Ch'en, Hung k'uei, 1928-35.

SOYBEAN [see GLYCINE max Merr. (Soybean)]

SPINACIA oleracea L.
Colletotrichum spinaciae Ell. & Halst.: Hemmi, T., Kurata, S., and Tohara, Y., 1933.
Gloeosporium olivarum D'Alm.: Hemmi, T., Kurata, S., and Tohara, Y., 1933.

SPINDLE TREE, JAPANESE [see EVONYMUS japonica L. (Japanese Spindle Tree)]
SQUASH [see CUCURBITA (Squash)]

STEWARTIA pseudo-camellia Maxim.
Pucciniastrum yoshinagai Hiratsuka f.: Hiratsuka, Naohide, 1931b.

SUGAR BEET [see BETA vulgaris L. (Sugar Beet)]
SUGAR CANE [see SACCHARUM officinarum L. (Sugar Cane)]
SUNFLOWER [see HELIANTHUS (Sunflower)]

SYMPLOCOS japonica A. DC.
Exobasidium symploci-japonicae Kusano: Kusano, S., 1907c.

TARAXACUM ceratophorum DC.
Sphaerotheca fuliginea (Schlecht.) Pollacci: Homma, Y., 1934.

TARO [see COLOCASIA (Taro)]
TATER ASTER [see ASTER tataricus L.f. (Tater Aster)]
TEA [see THEA (Tea)]

THALICTRUM
Rust: Transhel, V., 1934.

THEA (Tea)
Bonatophora macatrix Hartig: Nomura, H., 1901b.
Diseases: Du Pasquier, R., 1933.
Sawada, Kaneyoshi, 1913b.
Exobasidium reticulatum Itô & Sawada, Itô, Seiya, and Sawada, Kaneyoshi, 1912.

TOBACCO [see NICOTIANA tabacum L. (Tobacco)]
TOMATO [see LYCOPERSICUM esculentum Mill. (Tomato)]

TREES
Anthostomella (?): Kitashima, Kimizô, 1925.
Diseases: Hara, Kanesuke, 1927a.

TREES, FOREST
Diseases: Liubarskiĭ, L. V., 1934, 1936a.
Valsa: Togashi, K., 1929.

TREES, FRUIT
Diseases: Hara, Kanesuke, 1916.
Ikata, Suehiko, 1927b.
Sclerotinia: Takahashi, Yoshimo, 1911.
Valsa: Togashi, K., 1929.

TRIFOLIUM (Red Clover)
Diseases: Matsuura, Isamu, 1930.

TRIFOLIUM (White Clover)
Diseases: Matsuura, Isamu, 1930.

TRIFOLIUM repens L.
Olpidium trifolii (Pass.) Schröt.: Kusano, S., 1929.

TRITICUM (Wheat)
Cephalosporium gramineum Nishikado & Ikata: Nishikado, Y., Matsumoto, Hiroyoshi, and Yamauti, K., 1934a.
Nishikado, Y., and Ikata, Suehiko, 1934.
Diseases: Tai, Fang-lan, 1927b.
Helminthosporium tritici-vulgaris Nishikado: Nishikado, Y., 1929a.
Ophiobolus graminis Sacc.: Hori, Shôtarô, 1901c.
Puccinia: Takahashi, Yoshimo, 1904.
Puccinia graminis P. var. tritici Erikss. & Henn.: T'u, Chih, 1934.
Puccinia triticina Erikss.: Bryzgalova, V. A., 1935.
Tilletia laevis Rabh.: Hori, Shôtarô, 1901a.
Tilletia tritici (Bjerk.) Wint.: Hori, Shôtarô, 1901a.
Urocystis occulta (Wallr.) Rabh.: Hori, Shôtarô, 1901b.

TRITICUM vulgare Vill.
Helminthosporium tritici-vulgaris Nishikado: Nishikado, Y., 1928b.

ULMUS
Disease: Nishikado, Y., and Matsumoto, Hiroyoshi, 1929a.
Gnomonia oharana Nishikado & Matsumoto: Nishikado, Y., and Matsumoto, Hiroyoshi, 1929b.

ULMUS parviflora Jacq.
Gnomonia oharana Nishikado & Matsumoto: Matsumoto, Hiroyoshi, 1931.

UMBELLIFERAE
Puccinia: Miyake, Tsutomu, 1906.
Uredinales: Lindroth, J. I., 1902.

VEGETABLES
Bacillus aroideae Townsend: Takimoto, S., 1927a.
Diseases: Fujikuro, Y., 1917.
Hara, Kanesuke, 1920.

VERONICA arvensis L.
Sorosphaera veronicae Schröt.: Hemmi, T., and Nojima, T., 1934.

VETCH, MILK [see ASTRAGALUS (Milk Vetch)]
VETCH, SAND [see VICIA villosa Roth (Sand Vetch)]

VICIA faba L.
Bacterium viciae Uyeda: Takimoto, S., 1915b.
Gibberella saubinetii (Mont.) Sacc.: Miyake, Chuichi, 1924.
Phytomonas viciae Yü: Yü, Ta-fu, 1936b.

VICIA villosa Roth (Sand Vetch)
Ovularia schwarziana Magn.: Tanaka, Ichirô, and Iwadare, S., 1931c.

VIGNA catjang Walp. var. sinensis King
Cercospora vignicola Kawamura: Kawamura, Eikichi, 1931a.

VITIS (Grape)
Acrosporium viticola Ikata: Ikata, Suehiko, and Hitomi, T., 1931.
Coniothyrium: Nishikado, Y., 1923.
Dematophora necatrix Hartig: Nomura, H., 1901b.
Glomerella rufomaculans Spaulding & v. Schrenk: Hara, Kanesuke, 1911c.
Physalospora: Nishikado, Y., 1923.
Physalospora baccae Cavara: Nishikado, Y., 1921.
Root-neck blight: Hiura, M., 1924b.

WASABIA pungens Matsumura
Bacillus alliariae Ômori: Ômori, J., 1896c.

WEEDS
Diseases: Desiatkin, N. L., 1936a
Fungi: Hanzawa, Jun, 1910a.

WHEAT [see TRITICUM (Wheat)]
WILD PLANTS [see PLANTS, WILD]
WILLOW [see SALIX (Willow)]

WISTARIA
Bacillus milletiae Kawakami & Ikata: Hino, Iwao, 1933b.

WOOD
Chlorosplenium aeruginellum (Nyl.) Karst.: Akai, S., 1934.
Chlorosplenium aeruginosum (Oeder) Karst.: Akai, S., 1934.
Decay: Burt, E. A., 1931.
Wei, Ngan-shou, 1928.
Sap stain: Nishikado, Y., and Yamauti, K., 1933-35.

WOODY PLANTS [see PLANTS, WOODY]
YAM [see DIOSCOREA (Yam)]

ZEA mays L. (Maize)
Diseases: Nishikado, Y., 1926a.
Helminthosporium: Nishikado, Y., and Miyake, Chuichi, 1926b.
Yü, Ta-fu, 1933.
Helminthosporium maydis Nishikado & Miyake: Nishikado, Y., and Miyake, Chuichi, 1926a, 1926c.
Helminthosporium turcicum Passerini: Nishikado, Y., and Miyake, Chuichi, 1926a, 1926c.
Ophiobolus heterostrophus Drechsler: Nishikado, Y., and Miyake, Chuichi, 1926c.
Yü, Ta-fu, 1933.

ZINGIBER officinale Roscoe
Pseudomonas zingiberi Uyeda: Uyeda, Yeijiro, 1908a.

INVERTEBRATA

ARACHNIDA (Spider)
Isaria arachnophila Ditm. ex P.: Yasuda, A., 1894c.

BOMBYX mori L. (Silk Worm)
Aspergillus flavus Lk.: Nomura, H., 1897.
Aspergillus glaucus Lk.: Nomura, H., 1897.

COLEOPTERA (Beetle)
Tilachlidiopsis: Yakushiki, E., and Kumazawa, M., 1930c.

HOMOPTERA (Scale Insect)
Fungi: Miyabe, K., and Sawada, Kaneyoshi, 1913.
Sawada, Kaneyoshi, 1914d.

HYMENOPTERA (Ant)
Fungi: Bequaert, J., 1922.

INSECTA
Fungi: Hara, Kanesuke, 1914b.
Petch, T., 1914, 1921, 1931-35.
Sawada, Kaneyoshi, 1914b.

LATOUCHIA japonica Kishida
Isaria atypicola Yasuda: Yakushiji, E., and Kumazawa, M., 1930d.

PYRAUSTA nubilalis Hübner
Beauveria bassiana (Bals.) Vuill.: Lefebvre, C. L., 1931.
Beauveria globulifera (Speg.) Picard: Lefebvre, C. L., 1931.